

CLAIMS

1. A suspension comprising:
 - a plurality of roll sections each of which has a semicylindrical shape in a 5 cross section,
 - wherein the roll sections are disposed side by side based on a straight line connecting two points on an inner periphery or an outer periphery,
 - wherein the roll sections form a closed loop in a manner that a roll section of the roll sections being disposed first adjoins a roll section of the roll 10 sections being disposed last,
 - wherein adjacent roll sections are coupled with each other through a boundary section forming a continuous three dimensional curved surface.
2. A suspension comprising:
 - a plurality of roll sections each of which has a semicylindrical shape in a 15 cross section,
 - wherein the roll sections are disposed radially side by side at regular intervals based on a straight line connecting two points on an inner periphery or an outer periphery,
 - wherein the roll sections form a closed loop in a manner that a roll section of the roll sections being disposed first adjoins a roll section of the roll 20 sections being disposed last,
 - wherein adjacent roll sections are coupled with each other through a boundary section forming a continuous three dimensional curved surface.
- 25 3. The suspension of claim 1 or 2,
 - wherein the inner periphery is coupled with the roll sections forming the

closed loop, and non-continuous parts of the inner periphery are trimmed, wherein the outer periphery has a frame fixing part for being fixed at a frame.

5 4. The suspension of claim 1 or 2,

wherein the outer periphery is coupled with the roll sections forming the closed loop, and non-continuous parts of the outer periphery are trimmed, wherein the inner periphery has a vibration system fixing part for fixing a diaphragm or a voice coil.

10

5. The suspension of claim 1 or 2,

wherein an odd number of the roll sections are disposed.

6. A suspension device comprising:

15 two suspensions of claim 1 or 2 being disposed in a substantially vertical direction.

7. A suspension device comprising:

20 two suspensions of claim 1 or 2 being disposed in a substantially vertical direction, wherein one of the suspensions is rotated by 1/2 of a width of the roll section with respect to an axis in a periphery direction.

8. An electro-acoustic transducer comprising:

25 a suspension of claim 1 or 2,

wherein the inner periphery is coupled with a voice coil placed in a magnetic gap of a magnetic circuit or an outer periphery part of a diaphragm

coupled with the voice coil,

wherein the outer periphery is fixed to a frame which supports the magnetic circuit and a vibration system.